

What is claimed:

1. An apparatus for cleaning a swimming pool surface, the apparatus comprising:

a housing defined by a top section, a rear section, two side sections, a bottom section, and a substantially hollow cavity that runs along the inner longitudinal axis of the housing;

a handle means mounted to the housing for providing directional control and movement of the housing;

a wheel means movably mounted to the housing for facilitating forward, backward, and angular movement of the housing along the swimming pool surface;

at least one debris agitator means rotatably attached to the housing to facilitate water movement through the housing and the removal of debris from the swimming pool surface;

a scraping means attached to the bottom of the housing for scraping debris from the swimming pool surface; and

a debris collection means detachably connected to the housing that filters debris from pool water and that allows filtered pool water to exit from the debris collection means.

2. The apparatus in claim 1, wherein the length of the handle means is adjustable.

3. The apparatus in claim 1, wherein the handle means is pivotally attached to the housing.

4. The apparatus of claim 1, wherein the debris collection means further includes at least one filtration means.

5. The apparatus of claim 4, wherein the filtration means includes a course filtration means for facilitating the removal of relatively large debris.

6. The apparatus of claim 4, wherein the filtration means includes a fine filtration means for facilitating the removal of relatively small debris.

7. The apparatus of claim 1, wherein the rotation of the debris agitator means is mechanically geared to the rotational movement of the wheel means.

8. The apparatus of claim 1, wherein the rotation of the debris agitator means is electrically operated.

9. The apparatus of claim 1, wherein the rotation of the debris agitator means is provided by the movement of water over the debris agitator means.

10. The apparatus of claim 1, wherein the movement of the wheel means is electrically operated.

11. The apparatus of claim 1, wherein the movement of the wheel means is provided manually via the handle means.

12. An apparatus for cleaning a swimming pool surface, the apparatus comprising:

5 a housing defined by a top section, a rear section, two side sections, a bottom section, and a substantially hollow cavity that runs along the longitudinal axis of the housing;

a handle means pivotally mounted to the housing for providing directional control of the housing;

10 an electrically operated wheel means movably mounted to the housing for facilitating forward, backward, and angular movement of the housing along the swimming pool surface;

15 at least one electrically operated debris agitator means rotatably attached to the housing to facilitate water movement through the housing and the removal of debris from the swimming pool surface, wherein the debris agitator is spring loaded against the pool surface to provide a constant force against the pool surface;

20 a scraping means attached to the bottom of the
housing for scraping the swimming pool surface; and

a debris collection means detachably connected to the housing that filters debris from pool water and that allows filtered pool water to exit from the debris collection means.

13. The apparatus in claim 12, wherein the length of the handle means is adjustable.

14. The apparatus of claim 12, wherein the debris collection means further includes at least one filtration means.

15. The apparatus of claim 14, wherein the filtration means includes a coarse filtration means for facilitating the removal of relatively large debris.

16. The apparatus of claim 14, wherein the filtration means includes a fine filtration means for facilitating the removal of relatively small debris.

17. An apparatus for cleaning a swimming pool surface, the apparatus comprising:

5 a housing defined by a top section, a rear section, two side sections, a bottom section, and a substantially hollow cavity that runs along the longitudinal axis of the housing;

an adjustable handle means pivotally mounted to the housing for providing directional control of the housing;

10 an electrically operated wheel means movably mounted to the housing for facilitating forward, backward, and angular movement of the housing along the swimming pool surface;

15 at least one electrically operated debris agitator means rotatably attached to the housing to facilitate water movement through the housing and the removal of debris from the swimming pool surface;

20 a scraping means attached to the bottom of the housing for scraping the swimming pool surface; and

25 a debris collection means detachably connected to the housing that filters debris from pool water and that allows filtered pool water to exit from the debris collection means, wherein the debris collection means further includes a filtration means comprising:

25 a course filtration means for facilitating the removal of relatively large debris; and

30 a fine filtration means for facilitating the removal of relatively small debris.

18. An apparatus for cleaning a swimming pool surface, the apparatus comprising:

5 a housing defined by a top section, a rear section, two side sections, a bottom section, and a substantially hollow cavity that runs along the longitudinal axis of the housing;

a handle means pivotally mounted to the housing for providing directional control of the housing;

10 at least one electrically operated debris
agitator means rotatably attached to the housing to facilitate
water movement through the housing and the removal of debris
from the swimming pool surface;

15 a scraping means attached to the bottom of the
housing for scraping the swimming pool surface; and

a debris collection means detachably connected to the housing that filters debris from pool water and that allows filtered pool water to exit from the debris collection means.

19. An apparatus for cleaning a swimming pool surface, the apparatus comprising:

a housing defined by a top section, a rear section, two side sections, a bottom section, and a substantially hollow cavity that runs along the longitudinal axis of the housing;

a handle means pivotally mounted to the housing for providing directional control of the housing;

10 a plurality of electrically operated debris agitator means rotatably attached to the housing to facilitate water movement through the housing and the removal of debris from the swimming pool surface;

a scraping means attached to the bottom of the housing for scraping the swimming pool surface; and

15 a debris collection means detachably connected to the housing that filters debris from pool water and that allows filtered pool water to exit from the debris collection means.